

In the Claims

Please amend the claims follows:

Ind 1
#1 37. (Four times amended) An SCR3 derivative polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the SCR3 derivative polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 OF SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1.

Ind 2
#2 38. (Twice amended) The SCR3 derivative polypeptide according to claim 37, further comprising a cysteine residue at the carboxyl terminus and the amino terminus of the polypeptide, thereby providing a capability to form a cyclic polypeptide via formation of a disulfide bond.

Ind 3
#3 39. (Three times amended) The SCR3 derivative polypeptide according to claim 37, further comprising a chemically reactive amino acid residue located at least one position selected from the group consisting of the carboxyl terminus and the amino terminus of the polypeptide.

Am 14 40. (Twice amended) The SCR3 derivative polypeptide according to claim 39, wherein the chemically reactive amino acid residue is derivatized or derivatizable.

#4 41. (Twice amended) The SCR3 derivative polypeptide according to claim 40, wherein the terminal amino acid residue is cysteine derivatized with S-(2-pyridyl) dithio.

42. (Twice amended) The SCR3 derivative polypeptide according to claim 37, wherein the polypeptide is altered to remove chemically reactive amino acid residues.

Am 15 43. (Four times amended) A multimeric SCR3 derivative polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative polypeptide comprises at least two polypeptide constituents that comprise a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the polypeptide constituents have at least one amino acid sequence selected from the group consisting of:

#5 (a) amino acids 6-11 OF SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1, wherein the polypeptide constituents do not comprise a mature short consensus repeat-3 and the polypeptide constituents are linked to a core structure.

Sub I 6 44. (Twice amended) The multimeric SCR3 derivative polypeptide according to claim 43, wherein the core structure comprises a derivative of lysine.

Sub I 7 45. (Amended) The multimeric SCR3 derivative polypeptide according to claim 43, wherein the core structure is (lys)₄(lys)₂ lys ala or Tris (aminoethyl) amine and 1,2,4,5 benzene tetracarboxylic acid.

#7 46. (Amended) The multimeric SCR3 derivative polypeptide according to claim 43, wherein the multimeric polypeptide comprises two to eight SCR3-derived polypeptides.

Sub I 8 47. (Amended) The multimeric SCR3 derivative polypeptide according to claim 43, which comprises (Lys)₄ (Lys)₂ Ala-OH) linked through N-(ε-thiopropionyl) linkers that are disulfide bonded to cysteine thiol of the polypeptide SGGRKVFELVGEPsiYC.

Sub I 9 48. (Four times amended) A chimeric polypeptide comprising a host protein and as an insert an SCR3 derived polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative polypeptide comprises comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, wherein the SCR3 derived polypeptide has at least one amino acid sequence selected from the group consisting of:

#9 (a) amino acids 6-11 of SEQ ID NO: 1, and

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Cont

(b) amino acids 11-20 of SEQ ID NO: 1,
wherein the SCR3 derived polypeptide is inserted into a non-essential region of
the host protein.

but II

51. (Twice amended) The SCR3 derivative polypeptide according to claim
37, wherein the SCR3 derivative polypeptide is selected from the group consisting of:
linear CNPGSGGRKVFELVGEPsiYC (SEQ ID NO: 4);
H10
cyclic CNPGSGGRKVFELVGEPsiYC (SEQ ID NO: 4);
SGGRKVFELVGEPsiYC (SEQ ID NO: 5);
CGGRKVFC (SEQ ID NO: 7); and
FELVGEPsiYSTSNDDQVGiWSG (SEQ ID NO: 8).

but II2

52. (Four times amended) A process for preparing an SCR3 derivative
polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative
polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the
SCR3 derivative polypeptide has at least one amino acid sequence selected from the
group consisting of:

H11

- (a) amino acids 6-11 of SEQ ID NO: 1, and
- (b) amino acids 11-20 of SEQ ID NO: 1, comprising the step of:
condensing peptide units.

53. (Four times amended) A process for preparing an SCR3 derivative polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the SCR3 derivative polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1, comprising the step of:

expressing DNA encoding the polypeptide in a recombinant host cell, and recovering the polypeptide.

54. (Four times amended) An isolated polynucleotide encoding an SCR3 derivative polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the SCR3 derivative polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1.

#12
55. (Amended) The isolated polynucleotide according to claim 54, wherein the polynucleotide is in an expression vector.

56. (Amended) The isolated polynucleotide according to claim 54, wherein the polynucleotide is in an expression vector and the expression vector is in a host cell.

Sub I13
#13
57. (Four times amended) A pharmaceutical composition comprising
(1) a therapeutically effective amount of an SCR3 derivative polypeptide having only a partial SCR3 sequence, wherein the SCR3 derivative polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the SCR3 derivative polypeptide has at least one amino acid sequence selected from the group consisting of:

- (a) amino acids 6-11 of SEQ ID NO: 1, and
- (b) amino acids 11-20 of SEQ ID NO: 1, and
- (2) a pharmaceutically acceptable carrier or excipient.